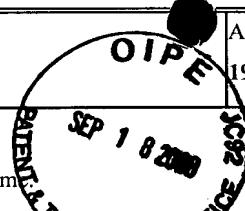


COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

19603/481 (CRF D-2472A)



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**COUPLED POLYMERASE CHAIN REACTION-RESTRICTION ENDONUCLEASE  
DIGESTION-LIGASE DETECTION REACTION PROCESS**

the specification of which (check only one item below):

- is attached hereto.
- was filed as U.S. Patent Application Serial No. 09/528,014 on March 17, 2000, and was amended on \_\_\_\_\_ (if applicable).
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PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

| COUNTRY<br>(IF PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED<br>UNDER 35 USC 119                                |
|-------------------------------------|--------------------|--------------------------------------|---|
| United States                       | 60/125,251         | 19 March 1999                        | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
|                                     |                    |                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO            |
|                                     |                    |                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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| U.S. APPLICATIONS                     |                  | STATUS (Check One)                    |         |           |
|---------------------------------------|------------------|---------------------------------------|---------|-----------|
| U.S. APPLICATION NUMBER               | U.S. FILING DATE | PATENTED                              | PENDING | ABANDONED |
|                                       |                  |                                       |         |           |
|                                       |                  |                                       |         |           |
|                                       |                  |                                       |         |           |
| PCT APPLICATIONS DESIGNATING THE U.S. |                  |                                       |         |           |
| PCT APPLICATION NO.                   | PCT FILING DATE  | U.S. SERIAL NUMBERS ASSIGNED (if any) |         |           |
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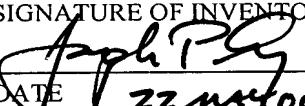
Page 1 of 3

COMBINED DECLARATION FOR PATENT APPLICATION  
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|  |   |  |   |                        |
|--|---|--|---|------------------------|
| Send Correspondence to:<br><b>Michael L. Goldman, Esq.<br/>NIXON PEABODY LLP<br/>Clinton Square, P.O. Box 1051<br/>Rochester, New York 14603</b> |   |  | Direct Telephone Calls to:<br>(name and telephone number)<br><b>Michael L. Goldman<br/>(716) 263-1304</b> |                        |
| 2<br>0<br>1  | FULL NAME OF INVENTOR<br><b>Barany</b>  | FAMILY NAME<br><b>Francis</b>              | FIRST GIVEN NAME<br><b>SECOND GIVEN NAME</b>  |                        |
|  | RESIDENCE & CITIZENSHIP<br><b>CITY<br/>New York</b>                                     | STATE/FOREIGN COUNTRY<br><b>New York</b>   | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |                        |
|  | POST OFFICE ADDRESS<br><b>P.O. ADDRESS<br/>450 E. 63<sup>rd</sup> Street, Apt. #12C</b> | CITY<br><b>New York</b>                    | STATE & ZIP CODE/CTRY<br><b>New York 10021/USA</b>  |                        |
| 2<br>0<br>2  | FULL NAME OF INVENTOR<br><b>Day</b>   | FIRST GIVEN NAME<br><b>Joseph</b>          | SECOND GIVEN NAME<br><b>P.</b>  |                        |
|  | RESIDENCE & CITIZENSHIP<br><b>CITY<br/>Pacifica</b>                                     | STATE/FOREIGN COUNTRY<br><b>California</b> | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |                        |
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| 2<br>0<br>3  | FULL NAME OF INVENTOR<br><b>Hammer</b>  | FIRST GIVEN NAME<br><b>Robert</b>          | SECOND GIVEN NAME<br><b>P.</b>  |                        |
|  | RESIDENCE & CITIZENSHIP<br><b>CITY<br/>Baton Rouge</b>                                  | STATE/FOREIGN COUNTRY<br><b>Louisiana</b>  | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |                        |
|  | POST OFFICE ADDRESS<br><b>P.O. ADDRESS<br/>4967 Tulane Drive</b>                        | CITY<br><b>Baton Rouge</b>                 | STATE & ZIP CODE/CTRY<br><b>Louisiana 70808/USA</b>   |                        |
| 2<br>0<br>4  | FULL NAME OF INVENTOR<br><b>Bergstrom</b>   | FIRST GIVEN NAME<br><b>Donald</b>          | SECOND GIVEN NAME<br><b>E.</b>  |                        |
|  | RESIDENCE & CITIZENSHIP<br><b>CITY<br/>West Lafayette</b>                               | STATE/FOREIGN COUNTRY<br><b>Indiana</b>    | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |                        |
|  | POST OFFICE ADDRESS<br><b>P.O. ADDRESS<br/>3416 Hamilton Street</b>                     | CITY<br><b>West Lafayette</b>              | STATE & ZIP CODE/CTRY<br><b>Indiana 47906/USA</b>   |                        |
| 2<br>0<br>5  | FULL NAME OF INVENTOR   | FAMILY NAME                                | FIRST GIVEN NAME  | SECOND GIVEN NAME      |
|  | RESIDENCE & CITIZENSHIP   | CITY                                       | STATE/FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP |
|  | POST OFFICE ADDRESS   | P.O. ADDRESS                               | CITY  | STATE & ZIP CODE/CTRY  |
| 2<br>0<br>6  | FULL NAME OF INVENTOR   | FAMILY NAME                                | FIRST GIVEN NAME  | SECOND GIVEN NAME      |
|  | RESIDENCE & CITIZENSHIP   | CITY                                       | STATE/FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP |
|  | POST OFFICE ADDRESS   | P.O. ADDRESS                               | CITY  | STATE & ZIP CODE/CTRY  |

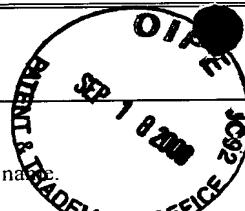
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

|                           |  |                           |
|---------------------------|--|---------------------------|
| SIGNATURE OF INVENTOR 201 | SIGNATURE OF INVENTOR 202<br><br>DATE 22 May 2000 | SIGNATURE OF INVENTOR 203 |
| DATE                      | DATE   | DATE                      |
| SIGNATURE OF INVENTOR 204 | SIGNATURE OF INVENTOR 205  | SIGNATURE OF INVENTOR 206 |
| DATE                      | DATE   | DATE                      |

Page 3 of 3

COMBINED DECLARATION FOR PATENT  
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ATTORNEY'S DOCKET NUMBER  
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DIGESTION-LIGASE DETECTION REACTION PROCESS**

the specification of which (check only one item below):

[ ] is attached hereto.

[X] was filed as U.S. Patent Application Serial No. **09/528,014** on **March 17, 2000**, and was amended on \_\_\_\_\_ (if applicable).

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PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

| COUNTRY<br>(IF PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED<br>UNDER 35 USC 119 |
|-------------------------------------|--------------------|--------------------------------------|--------------------------------------|
| United States                       | 60/125,251         | 19 March 1999                        | [X] YES [ ] NO                       |
|                                     |                    |                                      | [ ] YES [ ] NO                       |
|                                     |                    |                                      | [ ] YES [ ] NO                       |

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| U.S. APPLICATIONS       |                  | STATUS (Check One) |         |           |
|-------------------------|------------------|--------------------|---------|-----------|
| U.S. APPLICATION NUMBER | U.S. FILING DATE | PATENTED           | PENDING | ABANDONED |
|                         |                  |                    |         |           |
|                         |                  |                    |         |           |

PCT APPLICATIONS DESIGNATING THE U.S.

| PCT<br>APPLICATION NO. | PCT<br>FILING DATE | U.S. SERIAL NUMBERS<br>ASSIGNED (if any) |
|------------------------|--------------------|--|
|                        |                    |  |
|                        |                    |  |

**COMBINED DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY (Continue)**

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19603/481 (CRF D-2472A)**

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. **Michael L. Goldman, Registration No. 30,727; Gunnar G. Leinberg, Registration No. 35,584; Dennis M. Connolly, Registration No. 40,964; Edwin V. Merkel, Registration No. 40,087; Georgia Caton, Registration No. 44,597; Grant E. Pollack, Registration No. 34,097**

|                         |                         |   |  |  |
|-------------------------|-------------------------|---|--|--|
| Send Correspondence to: |                         |   | Michael L. Goldman, Esq.<br><b>NIXON PEABODY LLP</b><br>Clinton Square, P.O. Box 1051<br>Rochester, New York 14603 | Direct Telephone Calls to:<br>(name and telephone number)<br><b>Michael L. Goldman</b><br>(716) 263-1304 |
| 2<br>0<br>1             | FULL NAME OF INVENTOR   | FAMILY NAME<br><b>Barany</b>                                    | FIRST GIVEN NAME<br><b>Francis</b>   | SECOND GIVEN NAME  |
|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>New York</b>   | STATE/FOREIGN COUNTRY<br><b>New York</b>   | COUNTRY OF CITIZENSHIP<br><b>United States</b>   |
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|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>Baton Rouge</b>                                      | STATE/FOREIGN COUNTRY<br><b>Louisiana</b>  | COUNTRY OF CITIZENSHIP<br><b>United States</b>   |
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|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>West Lafayette</b>                                   | STATE/FOREIGN COUNTRY<br><b>Indiana</b>  | COUNTRY OF CITIZENSHIP<br><b>United States</b>   |
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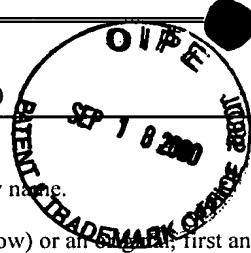
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| SIGNATURE OF INVENTOR 201 | SIGNATURE OF INVENTOR 202 | SIGNATURE OF INVENTOR 203 |
|---------------------------|---------------------------|---------------------------|
| <i>Dr. Francis Barany</i> |                           |                           |
| DATE 5/25/00              | DATE                      | DATE                      |
| SIGNATURE OF INVENTOR 204 | SIGNATURE OF INVENTOR 205 | SIGNATURE OF INVENTOR 206 |
| DATE                      | DATE                      | DATE                      |

Page 3 of 3

COMBINED DECLARATION FOR PATENT  
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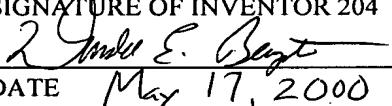
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|                                       |                  |                                       |         |           |
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|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>New York</b>   | STATE/FOREIGN COUNTRY<br><b>New York</b>  | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |
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|                         | RESIDENCE & CITIZENSHIP | CITY  | STATE/FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS  | CITY  | STATE & ZIP CODE/CTRY   |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

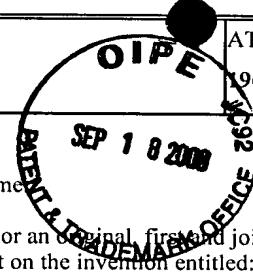
| SIGNATURE OF INVENTOR 201   | SIGNATURE OF INVENTOR 202 | SIGNATURE OF INVENTOR 203 |
|---|---------------------------|---------------------------|
| DATE  | DATE                      | DATE                      |
| SIGNATURE OF INVENTOR 204   | SIGNATURE OF INVENTOR 205 | SIGNATURE OF INVENTOR 206 |
| <br>DATE May 17, 2000 | DATE                      | DATE                      |

Page 3 of 3

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

19603/481 (CRF D-2472A)



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**COUPLED POLYMERASE CHAIN REACTION-RESTRICTION ENDONUCLEASE  
DIGESTION-LIGASE DETECTION REACTION PROCESS**

the specification of which (check only one item below):

[ ] is attached hereto.

[X] was filed as U.S. Patent Application Serial No. 09/528,014 on March 17, 2000, and was amended on \_\_\_\_\_ (if applicable).

[ ] was filed as PCT International Application No. \_\_\_\_\_ on \_\_\_\_\_ and was amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

| COUNTRY<br>(IF PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED<br>UNDER 35 USC 119 |
|-------------------------------------|--------------------|--------------------------------------|--------------------------------------|
| United States                       | 60/125,251         | 19 March 1999                        | [ X ] YES [ ] NO                     |
|                                     |                    |                                      | [ ] YES [ ] NO                       |
|                                     |                    |                                      | [ ] YES [ ] NO                       |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

| U.S. APPLICATIONS       |                  | STATUS (Check One) |         |           |
|-------------------------|------------------|--------------------|---------|-----------|
| U.S. APPLICATION NUMBER | U.S. FILING DATE | PATENTED           | PENDING | ABANDONED |
|                         |                  |                    |         |           |
|                         |                  |                    |         |           |
|                         |                  |                    |         |           |

PCT APPLICATIONS DESIGNATING THE U.S.

| PCT<br>APPLICATION NO. | PCT<br>FILING DATE | U.S. SERIAL NUMBERS<br>ASSIGNED (if any) |
|------------------------|--------------------|--|
|                        |                    |  |
|                        |                    |  |

**COMBINED DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY (Continue)**

**ATTORNEY'S DOCKET NUMBER  
19603/481 (CRF D-2472A)**

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727; Gunnar G. Leinberg, Registration No. 35,584; Dennis M. Connolly, Registration No. 40,964; Edwin V. Merkel, Registration No. 40,087; Georgia Caton, Registration No. 44,597; Grant E. Pollack, Registration No. 34,097

|                         |                         |   |   |   |
|-------------------------|-------------------------|---|---|---|
| Send Correspondence to: |                         |   | Michael L. Goldman, Esq.<br>NIXON PEABODY LLP<br>Clinton Square, P.O. Box 1051<br>Rochester, New York 14603 | Direct Telephone Calls to:<br>(name and telephone number)<br><b>Michael L. Goldman<br/>(716) 263-1304</b> |
| 2<br>0<br>1             | FULL NAME OF INVENTOR   | FAMILY NAME<br><b>Barany</b>                                    | FIRST GIVEN NAME<br><b>Francis</b>  | SECOND GIVEN NAME   |
|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>New York</b>   | STATE/FOREIGN COUNTRY<br><b>New York</b>  | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS<br><b>450 E. 63<sup>rd</sup> Street, Apt. #12C</b> | CITY<br><b>New York</b>   | STATE & ZIP CODE/CTRY<br><b>New York 10021/USA</b>  |
| 2<br>0<br>2             | FULL NAME OF INVENTOR   | FAMILY NAME<br><b>Day</b>                                       | FIRST GIVEN NAME<br><b>Joseph</b>   | SECOND GIVEN NAME<br><b>P.</b>  |
|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>Pacifica</b>   | STATE/FOREIGN COUNTRY<br><b>California</b>  | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS<br><b>106 Arcadia Drive</b>                        | CITY<br><b>Pacifica</b>   | STATE & ZIP CODE/CTRY<br><b>California 94404/USA</b>  |
| 2<br>0<br>3             | FULL NAME OF INVENTOR   | FAMILY NAME<br><b>Hammer</b>                                    | FIRST GIVEN NAME<br><b>Robert</b>   | SECOND GIVEN NAME<br><b>P.</b>  |
|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>Baton Rouge</b>                                      | STATE/FOREIGN COUNTRY<br><b>Louisiana</b>   | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS<br><b>4967 Tulane Drive</b>                        | CITY<br><b>Baton Rouge</b>  | STATE & ZIP CODE/CTRY<br><b>Louisiana 70808/USA</b>   |
| 2<br>0<br>4             | FULL NAME OF INVENTOR   | FAMILY NAME<br><b>Bergstrom</b>                                 | FIRST GIVEN NAME<br><b>Donald</b>   | SECOND GIVEN NAME<br><b>E.</b>  |
|                         | RESIDENCE & CITIZENSHIP | CITY<br><b>West Lafayette</b>                                   | STATE/FOREIGN COUNTRY<br><b>Indiana</b>   | COUNTRY OF CITIZENSHIP<br><b>United States</b>  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS<br><b>3416 Hamilton Street</b>                     | CITY<br><b>West Lafayette</b>   | STATE & ZIP CODE/CTRY<br><b>Indiana 47906/USA</b>   |
| 2<br>0<br>5             | FULL NAME OF INVENTOR   | FAMILY NAME   | FIRST GIVEN NAME  | SECOND GIVEN NAME   |
|                         | RESIDENCE & CITIZENSHIP | CITY  | STATE/FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS  | CITY  | STATE & ZIP CODE/CTRY   |
| 2<br>0<br>6             | FULL NAME OF INVENTOR   | FAMILY NAME   | FIRST GIVEN NAME  | SECOND GIVEN NAME   |
|                         | RESIDENCE & CITIZENSHIP | CITY  | STATE/FOREIGN COUNTRY   | COUNTRY OF CITIZENSHIP  |
|                         | POST OFFICE ADDRESS     | P.O. ADDRESS  | CITY  | STATE & ZIP CODE/CTRY   |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

|                           |                           |                           |
|---------------------------|---------------------------|---------------------------|
| SIGNATURE OF INVENTOR 201 | SIGNATURE OF INVENTOR 202 | SIGNATURE OF INVENTOR 203 |
| DATE                      | DATE                      | DATE <i>May 16, 2000</i>  |
| SIGNATURE OF INVENTOR 204 | SIGNATURE OF INVENTOR 205 | SIGNATURE OF INVENTOR 206 |
| DATE                      | DATE                      | DATE                      |

Page 3 of 3



NON-PROFIT  
Docket No.: 19603/481 (CRF D-2472A)

Applicant or Patentee : **Francis Barany, Joseph P. Day, Robert P. Hammer, and Donald Bergstrom**  
Serial or Patent No. : **09/528,014**  
Filed or Issued For : **March 17, 2000**  
**COUPLED POLYMERASE CHAIN REACTION -  
RESTRICTION ENDONUCLEASE DIGESTION - LIGASE  
DETECTION REACTION PROCESS**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF CONCERN : **Purdue Research Foundation**  
ADDRESS OF CONCERN : **1063 Hovde Hall, Room 300**  
**West Lafayette, Indiana 47907-1063**

TYPE OF ORGANIZATION :

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE  
(26 USC 501(a) and 501(c)(3))
- NONPROFIT SCIENTIFIC OR EDUCATION UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA (NAME OF STATE)  
**(CITATION OF STATUTE)**
- WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
- WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA (NAME OF STATE)  
**(CITATION OF STATUTE)**

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled **COUPLED POLYMERASE CHAIN REACTION - RESTRICTION ENDONUCLEASE DIGESTION - LIGASE DETECTION REACTION PROCESS** by inventors **Francis Barany, Joseph P. Day, Robert P. Hammer, and Donald Bergstrom** described in

- the specification filed herewith
- U.S. Patent Application Serial No.: **09/528,014**  
Filed: **March 17, 2000**
- U.S. Patent No.:  
Issued:

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). \*NOTE: Separate verified statements



NON-PROFIT  
Docket No.: 19603/481 (CRF D-2472A)

Applicant or Patentee : **Francis Barany, Joseph P. Day, Robert P. Hammer, and Donald Bergstrom**  
Serial or Patent No. : **09/528,014**  
Filed or Issued For : **March 17, 2000**  
**COUPLED POLYMERASE CHAIN REACTION - RESTRICTION ENDONUCLEASE DIGESTION - LIGASE DETECTION REACTION PROCESS**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS**

**(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF CONCERN : **Louisiana State University**  
ADDRESS OF CONCERN : **203 David Boyd Hall**  
**Baton Rouge, Louisiana 70803**

TYPE OF ORGANIZATION :

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE  
(26 USC 501(a) and 501(c)(3))
- NONPROFIT SCIENTIFIC OR EDUCATION UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA (NAME OF STATE)  
(CITATION OF STATUTE)
- WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
- WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA (NAME OF STATE)  
(CITATION OF STATUTE)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled **COUPLED POLYMERASE CHAIN REACTION - RESTRICTION ENDONUCLEASE DIGESTION - LIGASE DETECTION REACTION PROCESS** by inventors **Francis Barany, Joseph P. Day, Robert P. Hammer, and Donald Bergstrom** described in

- the specification filed herewith
- U.S. Patent Application Serial No.: **09/528,014**  
Filed: **March 17, 2000**
- U.S. Patent No.:  
Issued:

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37

CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). \*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

NAME : **Cornell Research Foundation, Inc.**  
ADDRESS : **Cornell Business and Technology Park, 20 Thornwood Drive, Suite 105  
Ithaca, New York 14850**

[ ] INDIVIDUAL [ ] SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

NAME : **Purdue Research Foundation**  
ADDRESS : **1063 Hovde Hall, Room 300, West Lafayette, Indiana 47907-1063**

[ ] INDIVIDUAL [ ] SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING : **Mani Iyer**  
TITLE OF PERSON OTHER THAN OWNER : **Director, Office of Intellectual Property**  
ADDRESS OF PERSON SIGNING : **203 David Boyd Hall  
Baton Rouge, Louisiana 70803**

SIGNATURE: 

DATE: June 16, 2000

**Mani Iyer, Director**  
Office of Intellectual Property  
Louisiana State University

are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

NAME : **Cornell Research Foundation, Inc.**  
ADDRESS : **Cornell Business & Technology Park, 20 Thornwood Drive, Suite 105,  
Ithaca, New York 14850**

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

NAME : **Louisiana State University**  
ADDRESS : **203 David Boyd Hall, 146A, Baton Rouge, Louisiana 70803**

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

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NAME OF PERSON SIGNING : **Bruce L. Pershing**  
TITLE OF PERSON OTHER THAN OWNER : **Investment Officer and Corporate  
Secretary**  
ADDRESS OF PERSON SIGNING : **1063 Hovde Hall, Room 300  
West Lafayette, Indiana 47907-1063**

SIGNATURE:



DATE: 6/7/00



PATENT

Docket No.: 19603/481 (CRF D-2472A)

Applicant or Patentee : Francis Barany, Joseph P. Day, Robert P. Hammer, and Donald Bergstrom  
Serial or Patent No. : 09/528,014  
Filed or Issued : March 17, 2000  
For : **COUPLED POLYMERASE CHAIN REACTION -  
RESTRICTION ENDONUCLEASE DIGESTION - LIGASE  
DETECTION REACTION PROCESS**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS (37 CFR 1.9(F) AND 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION : Cornell Research Foundation, Inc.  
ADDRESS OF ORGANIZATION : Cornell Business & Technology Park  
20 Thornwood Drive, Suite 105  
Ithaca, New York 14850

TYPE OF ORGANIZATION :

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA (NAME OF STATE:) (CITATION OF STATUTE:)
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I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled **COUPLED POLYMERASE CHAIN REACTION - RESTRICTION ENDONUCLEASE DIGESTION - LIGASE DETECTION REACTION PROCESS** by inventors **Francis Barany, Joseph P. Day, Robert P. Hammer, and Donald Bergstrom**.

described in

- the specification filed herewith.

U.S. Patent Application Serial No. 09/528,014,  
filed March 17, 2000.

U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

NAME : **Louisiana State University**  
ADDRESS : **203 David Boyd Hall, 146A, Baton Rouge, Louisiana 70803**

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

NAME : **Purdue Research Foundation**  
ADDRESS : **1063 Hovde Hall, Room 300, West Lafayette, Indiana 47907-1063**

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any changes in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: **James A. Severson**  
TITLE IN ORGANIZATION: **President**  
ADDRESS OF PERSON SIGNING: **20 Thornwood Drive, Suite 105**  
**Ithaca, New York 14850**

SIGNATURE: James A. Severson DATE: 9-May-00

\*Cornell Research Foundation, Inc., is a Corporation which is wholly owned by Cornell University handling Patents and Licensing.